

QY 826 ggaagagaagaagagtgatgagagctccagagacatgctgtgtcacagt 885
 DB 1 GGAGGAGAGAGAGAGAGTGTATGAGAGAGCTCCAGAGACCATGCTGTGTACAGAT 60
 QY 886 gggcccccagacccacatgagatgacatctcgcgaaccacccgagcagagctgtga 945
 DB 61 GGGGGCGGACGCCACATGAGATGATCTTCGGAACCACTGGCCAGAGGACTGTGGA 120
 QY 946 tgaactagaagattatcatgagagagctcttcataataaagcctatccatcttctac 1005
 DB 121 TGACCTAGAGATTATCATATGAGAGAGCTTCATATTAAGCTTATCCATCTTTCTAC 180
 QY 1006 cacaatgaaacagagatgagagtgctccatcttgaagctccagcagagagagac 1065
 DB 181 CACAGCGAAGACGAGATGAGAGAGTGTCTCATTTTGAATCTCACCCCAAGAGAGGAC 240
 QY 1066 tgggtgtttaaaccagggggaagaaggtaacctcctgtgtacattatctaaagatcaat 1125
 DB 241 TGTGTGTGTTTAAACAGGGGGAAGAGTACCTCTGTGATATTTCTAAAGATCAGT 300
 QY 1126 gaatgagatctaacgcaagggtgtgtctcagccctcatgaagagagatgactcga 1185
 DB 301 GGATGTACTCTTTTACGCAAGGCTGTGTCTGACCTCATGAGAGATGACTTCCG 360
 QY 1186 caagtgaactagtgatgagtgcccccagagctgacctatcgtctta 1234
 DB 361 CAAGTACACTAGTGAATGATGCCACAGAGCTGCTCATGCTTTA 409
 RESULT 4
 LOCUS R59283 446 bp mRNA EST 24-MAY-1995
 DEFINITION y937h01.1 Soares infant brain INTB Homo sapiens cDNA clone IMAGE:41798.5 similar to SP:T20G5.5 CE00479 CAMP DEPENDENT PROTEIN KINASE REGULATORY CHAIN + GUANINE NUCLEOTIDE RELEASING FACTORS ; mRNA sequence.
 VERSION R59283
 KEYWORDS EST.
 SOURCE R59283.1 GI:829978
 ORGANISM human.
 Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
 1 (bases 1 to 446)
 Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevasaki, E., Waterston, R., Williamson, A., Woldmann, P., and Wilson, R.
 The WashU-Merck EST Project
 Unpublished (1995)
 Contact: Wilson RK
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@watson.wustl.edu
 Insert Size: 451
 High quality sequence stops: 315
 This clone is available royalty-free through LNL ; contact the IMAGE Consortium (info@image.lnl.gov) for further information.
 Insert Length: 451 Std Error: 0.00
 Seq primer: M13RP1
 High quality sequence stop: 315.
 Location/Qualifiers
 1.446
 /organism="Homo sapiens"
 /db_xref="GDB:414339"
 /db_xref="taxon:9606"
 /clone="IMAGE:41798"
 /clone_1db="Soares infant brain INTB"
 /sex="female"
 /dev_stage="73 days post natal"

/lab_host="DH10B (ampicillin resistant)"
 /note="Organ: whole brain; Vector: latmid BA; Site_1: Not I; Site_2: Hind III; 1st strand cDNA was primed with a Not I - oligo(dT) primer 15'.
 ACTGAGAGATTCGCGCGGCGGAGAAATTTTTTTTTTTTTTTT 3';
 double-stranded cDNA was ligated to Hind III adaptors (Pharmacia), digested with Not I and directionally cloned into the Not I and Hind III sites of the latmid BA vector.
 Library went through one round of normalization. Library constructed by Benito Soares and M. Fatima Bonalido."

BASE COUNT 142 a 102 c 85 g 116 t 1 others
 ORIGIN
 Query Match 12.9%; Score 387.2; DB 22; Length 446;
 Best Local Similarity 98.6%; Pred. No. 2.1e-99;
 Matches 411; Conservative 0; Mismatches 4; Indels 2; Gaps 2;

QY 2594 tctatgcgaggttgaaagtttaatgagacctcaagaaacacagagggcctacagctg 2653
 DB 1 TTCTATGGGAGGTTTGAAGTTTATGACCTTCAAGGAAACACAGGCGCTAACAG-TG 59
 QY 2654 acatgagtaagctggaacctccctcatcccttatgcttgccttaagatg 2713
 DB 60 ACAGTAGCTAAGCTGGAACCTCTCTCATCCCTTATGCTTGTCTCAATTAAGATAG 119
 QY 2714 acattactcatgaggggaacagagctcatgacatcagtaacacttgaaataatg 2773
 DB 120 ACATTACTCATGAGGGGAACAGAGCTTCATTGACATCTAATAAATTGAAAAATG 179
 QY 2774 cgcattgattgaataacagagccagagcagtgagatctacagagggccaacctcaatcct 2833
 DB 180 CGCATGTGTAAGTGAAGTACGGCAGAGAGTAGATCTACAGAGGCCAACCTTCAATCT 239
 QY 2834 gatcagctcaagcttaataagaaacctcaagatgctcagagtgatgtaagcaatnaat 2893
 DB 240 GATCAGCTCAAGCTATATAGAACCATCAGATGTCGGGATATGTAGGCAATTAAT 299
 QY 2894 gtgatgacaacacagagaacttatcacagatgacacagatlagagctcgtgacca 2953
 DB 300 GTGATTGCAACACAGAGAACTTATACAGATGTCAACAGATTAAGCTGTGACCA 359
 QY 2954 tagcatttcaaatgcccagaagcagagttg-tcccagtcacaaatttcaaaa 3009
 DB 360 TAGACATTTCAATGCCCAAGACAGACAGTTGTTCTCCAGTCCACATVTTTCAAA 416

RESULT 5
 LOCUS AU079207 541 bp mRNA EST 20-OCT-1999
 DEFINITION AU079207 Sugano mouse brain mncb Mus musculus cDNA clone MNCB-3986 5', mRNA sequence.
 VERSION AU079207
 KEYWORDS EST.
 SOURCE AU079207.1 GI:6083962
 ORGANISM house mouse.
 Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 541)
 Hashimoto, K., Kusuda, J., Toyoda, A., Tanuma, R., Ito, A., Hirata, M., Suzuki, Y., Sasaki, M. and Sugano, S.
 Isolation of full-length cDNA clones from a mouse brain cDNA library made by oligo-capping method
 Unpublished (1999)
 On Jun 22, 1998 this sequence version replaced gi:3247237.
 Contact: Katsuyuki Hashimoto
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 23-1, Toyama 1-chome, Shinjuku-ku, Tokyo 162-8640, Japan
 Email: khashi@nih.go.jp
 URL: http://www.nih.go.jp/yoken/genbank/.
 Location/Qualifiers